

II. Amendments to the Claims

This listing of claims replaces without prejudice all prior versions, and listings, of claims in the present application.

Listing of Claims:

1. (Cancelled).
2. (Cancelled).
3. (Cancelled).
4. (Cancelled).
5. (Cancelled).
6. (Cancelled).
7. (Cancelled).
8. (Cancelled).
9. (Cancelled).
10. (Cancelled).

11. (Cancelled).

12. (Cancelled).

13. (Cancelled).

14. (Cancelled).

15. (Cancelled).

16. (Cancelled).

17. (Cancelled).

18. (Cancelled).

19. (Cancelled).

20. (Cancelled).

21. (Cancelled).

22. (Ncw) A structural laminate comprising:

first and second skins of sheet metal, each of said skins having a thickness of at least about 0.005 in.;

a fibrous core, comprising a plurality of fibrous layers, each of the fibrous layers being impregnated with resin, disposed between said skins of sheet metal, and said core being bonded to said skins of sheet metal;

wherein said paper layers are disposed parallel to said skins.

23. (New) The structural laminate recited in Claim 22, wherein said sheet metal is selected from the group consisting of cold rolled steel, galvanized steel, tin-coated steel and stainless steel.

24. (New) The structural laminate recited in Claim 22, wherein said core is adhesively bonded to said skins of sheet metal.

25. (New) The structural laminate recited in Claim 22, wherein each of said skins has a thickness of from about 0.005 in. to about 0.030 in.

26. (New) The structural laminate recited in Claim 22, wherein said core has a thickness of at least about 0.01 in.

27. (New) The structural laminate recited in Claim 22, wherein said core has a thickness of from about 0.01 in. and 0.05 in.

28. (New) The structural laminate recited in Claim 22, wherein said laminate is a structural panel.

29. (New) The structural laminate recited in Claim 22, further including layers of adhesive disposed between said core and each of said skins.
30. (New) The structural laminate recited in Claim 22, further including a plurality of channels extending through said fibrous core and extending between said metal skins.
31. (New) The structural laminate recited in Claim 30, wherein said channels are filled with adhesive to form adhesive bridges between said metal skins.
32. (New) The structural laminate recited in Claim 22, wherein said sheet metal skins are zinc coated steel which has been cold rolled with zinc on the surface.
33. (New) The structural laminate recited in Claim 22, wherein said laminate is non-planar.
34. (New) The structural laminate recited in Claim 22, wherein said metal skins are steel which has been preheated with a conversion coating to promote bond integrity and corrosion resistance.
35. (New) The structural laminate recited in Claim 22, wherein said metal skins are formed of low carbon micro-alloyed high-strength steel.
36. (New) The structural laminate recited in Claim 22, further including a flame retardant in said core.

37. (New) The structural laminate recited in Claim 22, wherein the fibrous layers comprise fibers formed into a sheet product.
38. (New) The structural laminate recited in Claim 22, wherein the fibrous layers comprise natural fibers formed into a sheet product.
39. (New) The structural laminate recited in Claim 38, wherein the natural fibers are selected from the group consisting of cotton, linen, hemp, straw and mixtures thereof.
40. (New) The structural laminate recited in Claim 22, wherein the fibrous layers comprise hemp fibers formed into a sheet product.
41. (New) The structural laminate recited in Claim 22, wherein the fibrous layers comprise synthetic fibers formed into a sheet product.
42. (New) The structural laminate recited in Claim 22, wherein the fibrous layers are impregnated with a thermoset resin.
43. (New) The structural laminate recited in Claim 22, wherein the fibrous layers are impregnated with a thermoplastic resin.
44. (New) The structural laminate recited in Claim 22, wherein the fibrous layers: (i) comprise hemp fibers formed into a sheet product, and (ii) are impregnated with a thermoplastic resin.

45. (New) A non-planar structural laminate comprising:

first and second skins of sheet metal, each of said skins having a thickness of at least about 0.005 in.;

a fibrous core, comprising a plurality of fibrous layers, each of the fibrous layers comprising a natural fiber and being impregnated with a thermoplastic resin, disposed between said skins of sheet metal, and said core being bonded to said skins of sheet metal.